

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Brugger, et al.** }
Serial No.: **To be assigned** }
Filed: **Herewith** } Group Art No: **To be assigned**
For: **Differential Fluid Parameter Determination** } Examiner: **To be assigned**
Customer No.: **24994** }

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. § 1.56, Applicant brings to the attention of the Examiner the documents listed on the attached form PTO 1449. It is believed this Information Disclosure Statement is being filed before the first Office Action on the merits.

As shown in the Preliminary Amendment being filed herewith, this application is a continuation of US Patent Application Serial No. 10/238,164 filed September 10, 2002, which is a continuation of US Patent Application Serial No. 09/563,107 filed May 2, 2000, which is a continuation of U.S. Patent Application Serial No. 09/220,139 filed December 23, 1998, now 6,075,367; which is a continuation of U.S. Patent Application Serial No. 08/876,445 filed June 16, 1997, now US. Patent No.5,900,726; which was a continuation of U.S. Patent Application Serial No. 08/486,982 filed June 7, 1995, now U.S. Patent No. 5,644,240; which was a continuation-in-part of U.S. Patent Application Serial No. 08/332,647 filed November 1, 1994, now U.S. Patent No. 5,510,716; which was a continuation of U.S. Patent Application Serial No. 07/954,584 filed September 30, 1992,

now abandoned. Per 37 C.F. R. §1.98(d), the Examiner is respectfully referred to the files of those applications for copies of the documents listed on the attached form PTO 1449.

This submission does not represent that a search has been made or that no better information exists and does not constitute an admission that each or all of the listed documents alone or in combination, are considered to be material to patentability as defined under 37 C.F.R. § 1.56(b).

It is believed no fee is required in connection with the filing of this statement. If this is incorrect, please charge deposit account 03-2316.

Respectfully submitted,

7/29/03
Date


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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				ATTY DOCKET NO. RC-0011-P22		SERIAL NO To be assigned	
				FILING Herewith		GROUP To be assigned	
				U.S. PATENT DOCUMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	2,709,785	5/31/55	Fielden				
	3,396,331	8/6/68	Sperry III				
	3,404,336	10/1/68	Rosenthal				
	3,482,575	12/9/69	Claff, et al.				
	3,491,592	1/27/70	Evers, et al.				
	3,619,423	11/9/71	Galletti, et al.				
	3,722,276	3/27/73	Chandler, et al.				
	3,867,688	2/18/75	Koski				
	3,980,946	9/14/76	Fleury				
	4,081,372	3/28/78	Atkin, et al.				
	4,136,563	1/30/79	Mueller et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	190873/85	1985	Japan				
	36990/77	1977	Japan				
	2026508	5/1/92	Spain				
	EP 0 272 414	6/29/88	Europe				✓
	EP 0 097 366	1/4/84	Europe				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Robert L. Hester, Ph.D., "A New Technique for Determining Recirculation in the ESRD Patient", Nephrology News & Issues, pp. 44-55, June 1993, Jackson, MS						
	Gambro, "FAM 10 Fistula Flow Studies and Their Interpretation", pp. 1-31, Lund Sweden, published on or before September 29, 1991.						
	Salamon et al. "Translation: low frequency electrodeless conductometer for measuring the electrical conductivity of solutions, 1959, Industrial Group Headquarters, Risley, Warrington, Lancashire, GB						
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			ATTY DOCKET NO. RC-0011-P12	SERIAL NO. To be assigned
			FILING Herewith	GROUP To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,138,639	2/6/79	Hutchins			
	4,181,610	1/1/80	Shintani, et al.			
	4,361,049	11/30/82	Volgyesi			
	4,508,622	4/2/85	Polaschegg, et al.			
	4,650,458	3/17/87	Dahlberg, et al.			
	4,739,492	4/19/88	Cochran			
	4,740,755	4/26/88	Ogawa			
	4,825,168	4/25/89	Ogawa, et al.			
	4,995,268	2/26/91	Ash, et al.			
	5,004,459	4/2/91	Peabody, et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	2093192	8/25/82	United Kingdom				
	521891	10/6/76	U.S.S.R. (cover page)				✓
	1013853	4/23/83	U.S.S.R.				✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Richard A. Sherman, "Recirculation Revisited", Seminars in Dialysis, Vol. 4, No. 4, pp. 221-223,		
		Oct-Dec 1991, New Jersey		

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>			Docket Number (Optional) RC-0011-P22		Application Number To be assigned	
			Applicant(s)			
			Filing Date Herewith	Group Art Unit	To be assigned	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPR PRIATE
		5,092,836	3/3/92	Polaschegg			
		5,453,576	9/26/95	Krivitski			
		5,510,716	4/23/96	Buffaloe, IV, et al.			
		5,510,717	4/23/96	Buffaloe, IV, et al.			
		5,595,182	6/21/97	Krivitski			
		5,685,989	11/11/97	Krivitski, et al.			
		3,450,984	6/17/69	Holmes			
		5,312,550	5/17/94	Hester			
		3,324,720	6/13/67	Sutherland			

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		McKamy SMith, "Cardiac Output Determined by the Saline Conductivity Method Using an Extraarterial Conductivity Cell", Cardiovascular Research Center Bulletin, Vol. 5, No. 4, pp. 123-134, April-June 1967, Texas

EXAMINER	DATE CONSIDERED
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			ATTY DOCKET NO. RC-0011-P12		SERIAL NO. To be assigned	
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS
FILING DATE IF APPROPRIATE						
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS
TRANSLATION						
YES NO						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
		C. Aldridge, et al., "Instrument Design for the Bedside Assessment of Arteriovenous Fistulae in Haemodialysis Patients," Proceedings EDTNA-ERCA, vol. 14, pp. 255-260, 1985, U.K.				
		C. Aldridge, "The Use and Management of Arteriovenous Fistulae Fact and Fiction", EDTNA ERCA, Journal SVII-4, pp. 29-35, October 1991, United Kingdom				
		Joseph J. Carr, "Integration of Decaying Exponential Sensor Output Signals", Sensors, pp. 28-34, July 1989, Virginia				
		J. Daugirdas, "The Fourth Annual Advanced Dialysis Technical Symposium", Dialysis & Transplantation, Vol. 17, No. 8, pp. 432-433, August 1988, Illinois				
EXAMINER			DATE CONSIDERED			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
			Jeffrey Sands et al., "The Effect of Doppler Flow Screening Studies and Elective Revisions on Dialysis Access Failure", Reprint from ASAIO Transactions, July-September, 1992, pages M524-M527				
EXAMINER				DATE CONSIDERED			
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